

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
15 February 2001 (15.02.2001)

PCT

(10) International Publication Number
WO 01/11079 A2(51) International Patent Classification⁷:**C12Q 1/68**

(21) International Application Number:

PCT/IL00/00486

(22) International Filing Date:

9 August 2000 (09.08.2000)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

131324

10 August 1999 (10.08.1999) IL

(71) Applicant (for all designated States except US): **COMPUTER GEN LTD.** [IL/IL]; Pinchas Rozen Street 72, 69512 Tel Aviv (IL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **MOR, Amitai** [IL/IL]; Wolman Street 6, 69512 Tel Aviv (IL).(74) Agent: **REINHOLD COHN AND PARTNERS**; P.O. Box 4060, 61040 Tel Aviv (IL).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

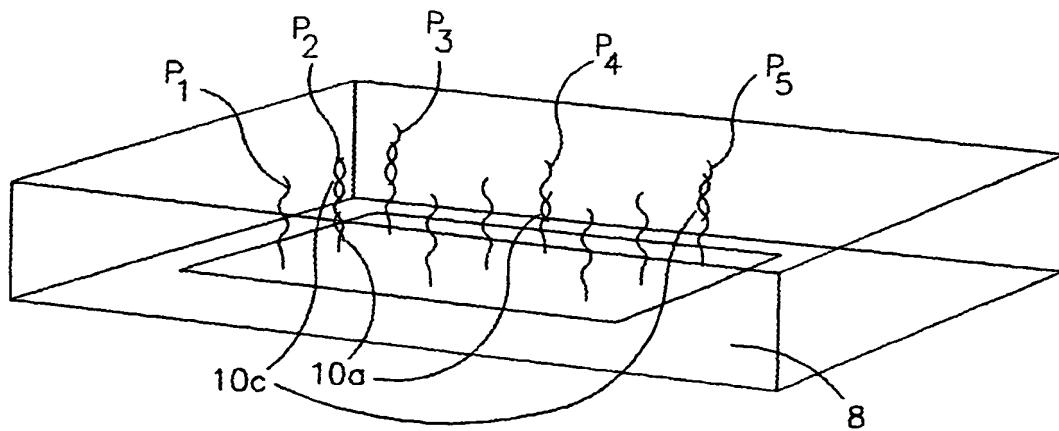
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

— Without international search report and to be republished upon receipt of that report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NUCLEIC ACID ANALYSIS METHOD AND SYSTEM

**WO 01/11079 A2**

(57) Abstract: An ensemble of k different probing units, for determining by hybridization, n different target oligonucleotides in an assayed sample. The probing nucleotide sequences are capable of hybridizing to target nucleotide sequences, and at least one probing unit can hybridize to two or more different target oligonucleotides.